



Fundisa Web Map Applications

2013-01-09

Prepared by

SANSA Earth Observation

Using the SANSA Fundisa Web Map Applications

The Fundisa web map applications were created to aid students in their search for satellite imagery. The applications showcase both funded and free data sets for some of the satellite imagery available on the SANSA Earth Observation Catalogue. Students can use these applications to explore the indexes of satellite imagery. When an image tile is selected, the student can view its metadata and a thumbnail preview. The web map applications provide students with a convenient means of exploring layers without the need of a GIS program and layers. All that is required is an internet connection. The uploading of shapefiles or kmils to locate areas of interest is not necessary. Bing Maps as well as other useful basemaps are built into the applications, allowing for searches by address or place name. It is important to note that data cannot be ordered from the web map applications. The applications are for exploring data only. To download satellite imagery please visit the SANSA Earth Observation Catalogue (catalogue.sansa.org.za).

This guide will help you to better understand how to use the Fundisa web map applications.

To access the web map applications, visit the explorer page on the Fundisa Student Portal. In your internet browser enter the following address:

<http://fundisa.sansa.org.za/explorer>



A selection of web map applications can be accessed from the explorer page. This guide explains how to use the SANSA customised web map applications, namely the SPOT-5 Coverage for RSA (2006-2011) application.

Fundisa | SPOT-5 Coverage for RSA (2006 - 2011)

The mapping application displays SPOT-5 imagery over the whole of South Africa from 2006-2011. It is intended for viewing purposes. Students can select layers for the different years and query an image footprint's metadata.

The indexes can be switched on and off from the "Layers" tab. When examining the attributes of your image footprint, make sure only one index layer is switched on at a time.

Fundisa data is funded to South African students. Satellite imagery can be ordered through the SANSA Earth Observation catalogue, <http://catalogue.sansa.org.za/>

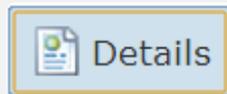
bing™ 0 50 100mi

Image courtesy of NASA, © 2013 Microsoft Corporation, ©

sansa
SOUTH AFRICAN NATIONAL
SPACE AGENCY

1. Details

The details button contains a description of the web map application. The details description is displayed in the left-hand pane. The details description can be closed to display more of the map view. Click the close button to hide the details description, display it again by selecting the details button.



2. Legend

The legend button displays a list of the selected layers in the left-hand pane. To close the legend pane to display more of the map view, click the close button in the left-hand pane. Clicking the legend button again opens the left-hand pane.



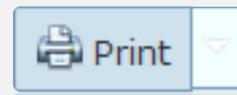
3. Zoom

Click the plus and minus buttons to zoom in and out of the map. The mouse scroll wheel can also be used for this purpose. Pan the map by clicking and dragging the pointer.



4. Print

Click the print button to create a printout of the map view. Click the drop down button next to the print button to display a list of different layout and print format options.



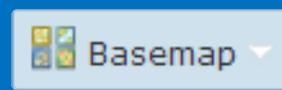
5. Layers

Clicking the layers button opens a list of the available layers for the web map application. To display the layer in the map view, simply click it. Selected layers are highlighted with a checked box. The switched on layers are confirmed in the legend pane. Only have one layer selected at a time when querying.



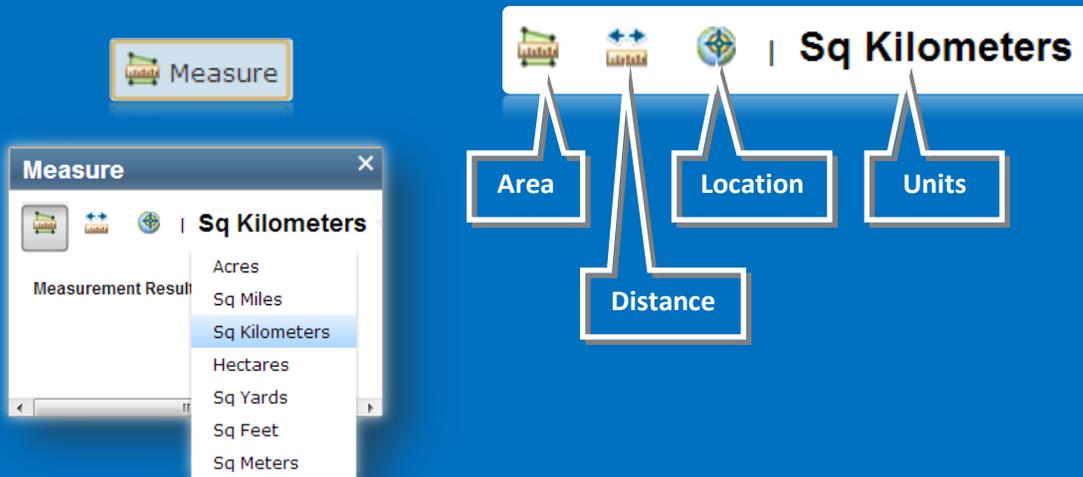
6. Basemaps

When the basemap button is selected, a list of available basemaps appear. Currently, 12 options are offered. These options range from basemaps with imagery to basemaps with only map data to a hybrid option of imagery with overlaid map information. For slower internet connections, use map layers instead of imagery.



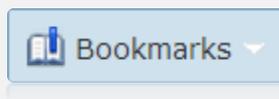
7. Measure

When the measure button is selected the measure pop-up tool appears. This tool allows you to measure area, distance, and location (coordinates). When the area tool is selected you can draw a polygon on the map and then view the result of its area in the measure pop-up tool. Left click to add a point, double left click to finish drawing the polygon. The same applies when drawing a line to measure distance. To get coordinates, select the coordinate tool and click a place on the map. This adds a flag, the coordinates are captured in the measure tool pop-up. To change the way the units are reported, click the unit name and a drop down list will appear with different options.



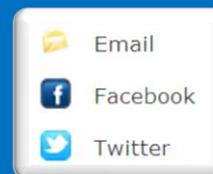
8. Bookmarks

Clicking the bookmarks button opens a list of bookmarked locations. Selecting a bookmark causes the map view to center on that location.



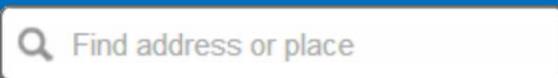
9. Share

Clicking the share button opens a list of options for sharing the current map view either by email or on social networks.



10. Find address or place

Type an address or the name of a place to zoom to that location. The web mapping applications use Bing Maps to search for locations.



11. Overview

Clicking the overview button displays the overview map window. It can be used to navigate around the full extent of the map view.

